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## NOTICE OF ALLOWANCE AND FEE(S) DUE

52349 7590 07/10/2009

WENDEROTH, LIND & PONACK L.L.P.  
1030 15th Street, N.W.  
Suite 400 East  
Washington, DC 20005-1503

EXAMINER

SQUIRES, BRETT S

ART UNIT

PAPER NUMBER

2431

DATE MAILED: 07/10/2009

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/589,288	03/28/2007	Masao Nonaka	2006_1309A	7151

TITLE OF INVENTION: UNAUTHORIZED DEVICE DETECTION DEVICE, UNAUTHORIZED DEVICE DETECTION SYSTEM, UNAUTHORIZED DEVICE DETECTION METHOD, PROGRAM, RECORDING MEDIUM, AND DEVICE INFORMATION UPDATE METHOD

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	10/13/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

## HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

**IMPORTANT REMINDER:** Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

**PART B - FEE(S) TRANSMITTAL**

Complete and send this form, together with applicable fee(s), to: **Mail Stop ISSUE FEE**  
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**INSTRUCTIONS:** This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

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52349 7590 07/10/2009  
**WENDEROTH, LIND & PONACK L.L.P.**  
1030 15th Street, N.W.  
Suite 400 East  
Washington, DC 20005-1503

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I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

(Depositor's name)

(Signature)

(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/589,288	03/28/2007	Masao Nonaka	2006_1309A	7151

**TITLE OF INVENTION:** UNAUTHORIZED DEVICE DETECTION DEVICE, UNAUTHORIZED DEVICE DETECTION SYSTEM, UNAUTHORIZED DEVICE DETECTION METHOD, PROGRAM, RECORDING MEDIUM, AND DEVICE INFORMATION UPDATE METHOD

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nonprovisional	NO	\$1510	\$300	\$0	\$1810	10/13/2009

EXAMINER	ART UNIT	CLASS-SUBCLASS
SQUIRES, BRETT S	2431	726-026000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).	2. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.
<input type="checkbox"/> Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.	1_____
<input type="checkbox"/> "Fee Address" indication (or "Fee Address" indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.	2_____

**3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)**

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE \_\_\_\_\_ (B) RESIDENCE: (CITY AND STATE OR COUNTRY) \_\_\_\_\_

Please check the appropriate assignee category or categories (will not be printed on the patent):  Individual  Corporation or other private group entity  Government

4a. The following fee(s) are submitted:	4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above)
<input type="checkbox"/> Issue Fee	<input type="checkbox"/> A check is enclosed.
<input type="checkbox"/> Publication Fee (No small entity discount permitted)	<input type="checkbox"/> Payment by credit card. Form PTO-2038 is attached.
<input type="checkbox"/> Advance Order - # of Copies _____	<input type="checkbox"/> The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number _____ (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)	<input type="checkbox"/> a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27.	<input type="checkbox"/> b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).
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NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature \_\_\_\_\_ Date \_\_\_\_\_

Typed or printed name \_\_\_\_\_ Registration No. \_\_\_\_\_

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS; SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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10/589,288	03/28/2007	Masao Nonaka	2006_1309A	7151
52349	7590	07/16/2009	EXAMINER	
WENDEROTH, LIND & PONACK L.L.P.				SQUIRES, BRETT S
1030 15th Street, N.W.				ART UNIT 2431
Suite 400 East				PAPER NUMBER
Washington, DC 20005-1503				DATE MAILED: 07/10/2009

## Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 209 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 209 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (<http://pair.uspto.gov>).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

<b>Notice of Allowability</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	10/589,288	NONAKA ET AL.	
	<b>Examiner</b>	Art Unit	
	BRETT SQUIRES	2431	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTO-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1.  This communication is responsive to 23 March 2009.

2.  The allowed claim(s) is/are 20-30.

3.  Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)  All    b)  Some\*    c)  None    of the:

1.  Certified copies of the priority documents have been received.

2.  Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.

3.  Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4.  A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

5.  CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.

(a)  including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached  
1)  hereto or 2)  to Paper No./Mail Date \_\_\_\_\_.

(b)  including changes required by the attached Examiner's Amendment / Comment or in the Office action of  
Paper No./Mail Date \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6.  DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1.  Notice of References Cited (PTO-892)

5.  Notice of Informal Patent Application

2.  Notice of Draftsperson's Patent Drawing Review (PTO-948)

6.  Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_.

3.  Information Disclosure Statements (PTO/SB/08),  
Paper No./Mail Date \_\_\_\_\_.

7.  Examiner's Amendment/Comment

4.  Examiner's Comment Regarding Requirement for Deposit  
of Biological Material

8.  Examiner's Statement of Reasons for Allowance

9.  Other \_\_\_\_\_.

***Specification***

The substitute specification and the substitute abstract filed March 23, 2009 are accepted by the examiner and have been entered.

***Allowable Subject Matter***

Claims 20-30 are allowed over the prior art of record.

The following is an examiner's statement of reasons for allowance: the most relevant references Palatov et al. (US 2001/0029583) and Gammie (US RE 39,166) and Ibuki (US 2002/0013900) disclose, in combination, an unauthorized apparatus detection device ("Host System" See Palatov fig. 2 ref. no. 202) connected to an information server ("Kiosk" See Palatov figs. 1 and 2 ref. no. 102) capable of having a portable media inserted therein ("Portable Storage Device" See Palatov figs 1 and 3A ref. nos. 104 and 300), the unauthorized apparatus detection device includes a storage unit that stores the target apparatus identifier and the first verification value the target apparatus identifier and the first verification value being previously received from the information server by the unauthorized apparatus detection device ("The host system 202 preferably manages and coordinates user accounts, billing for content usage, and content distribution to the kiosks 102 through associated modules 210, 212, and 214. The modules 210, 212, and 214 of the host system 202 may include one or more computer systems that may be co-located or separately located." See Palatov paragraph 50), a transmission/reception unit that transmits to the information server the second verification value, the transmission/reception unit receiving from the information

server the target apparatus identifier and the second verification value as a received verification value when the portable media into which the second verification value is overwritten in place of the first verification value by the detection target apparatus is inserted into the information server ("The kiosks 102 are connected to a host system 202 through a communications network 204, such as the Internet." and "The host system may also relay any other instructions necessary for the kiosks 102 to operate properly through either the satellite connection or the network 204." See Palatov paragraphs 50-51), and a title key storage unit that stores a title key for decrypting the encrypted content (The examiner respectfully points out that the use of a title key for encrypting video content is well known in the art. See Palatov paragraph 106).

Palatov does not disclose the portable media stores a target apparatus identifier and a corresponding first value, the unauthorized apparatus detection device includes a generation unit that generates a second verification value that differs from the first verification value that corresponds to the target apparatus identifier and that overwrites in the storage unit the second verification value in place of the first verification value, and control unit that when the received target apparatus identifier matches the stored target apparatus identifier, judges whether or not the received verification value matches the stored second verification value and that when it is judges that the received verification value does not match the stored second verification value registers the target apparatus identifier on an unauthorized apparatus list, wherein the control unit judges that the received verification value matches the stored second verification value the control unit transmits the title key into the portable media and such that the detection

target apparatus decrypts the encrypted content using the title key when the portable media storing the title key is inserted into the detection target apparatus.

Gammie discloses video distribution system that uses a secret serial number unique to each individual decoder (See Gammie fig. 2 ref. no. 206) to prevent unauthorized access to video content (See Gammie col. 3 lines 7-17 and 47-53).

It would have been obvious to one of ordinary skill in the art at the time of the invention to include in the portable storage device disclosed by Palatov the secret serial number unique to each individual decoder such as that taught by Gammie in order to prevent unauthorized access to video content (See Gammie col. 3 lines 47-53).

Ibuki discloses a user authentication system having a user processor (See Ibuki fig. 2(1) ref. no. 2) that reads a first authentication number an a predetermined conversion rule from a portable recording medium (See Ibuki fig. 2(1) ref. no. 6) and sends the first authentication number to the authentication information processor (See Ibuki fig. 2(1) ref. no. 3). In response to the first authentication number, the authentication information processor checks a database (See Ibuki fig. 2(1) ref. no. 5) for the validity of the authentication number. If the user is authenticated as valid as a result of the check, the authentication information processor sends the access permission notification to the user information processor. Then, the authentication information processor converts the first authentication number to a second authentication number using the conversion rule (See Ibuki fig. 2(1) ref. no. 4) and records the authentication number into the database as a new first authentication number. In response to the access permission notification, the user information

processor converts the first authentication number to a second authentication number using the conversion rule and records the second authentication number on the portable recording medium as a new first authentication number (See Ibuki figs. 2(1) - 2(2) and paragraph 14).

It would have been obvious to one of ordinary skill in the art at the time of the invention to modify the above stated combination of Palatov and Gammie to include using dynamically changing authentication numbers such as that disclosed by Ibuki in order to prevent unauthorized access by someone pretending to be an authorized user (See Ibuki paragraph 9).

The prior art of record taken either individually or in combination does not disclose the information server writes the second verification value into the portable media when the portable media is inserted into the information server such that the detection target apparatus overwrites, in the portable media, the second verification value in place of the first verification value when the portable media is inserted into the detection target apparatus.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to BRETT SQUIRES whose telephone number is (571)

272-8021. The examiner can normally be reached on 9:30am - 6:00pm Monday - Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, William Korzuch can be reached on (571) 272-7589. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/BS/

/William R. Korzuch/  
Supervisory Patent Examiner, Art Unit 2431